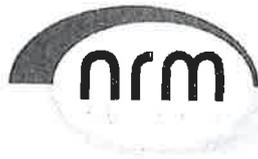


SOIL ANALYSIS D1  
Permit Reference - JB3139RS



Contact : MATTHEW EVERETT  
CARRS FERTILISERS  
THE WATH  
SILLOTH  
WIGTON  
CUMBRIA CA7 4PH  
Tel. : 01697 332333

**D761**

Please quote the above code for all enquiries

Client : ANDREW DAVIES  
GARN GALED  
LLANSPYDDYD  
BRECON  
LD3 8PE

Local Rep : DELYTH DAVIES  
Telephone : 07391 012852  
Sample Matrix : Agricultural Soil

Laboratory Reference  
Card Number 08670/18

Date Received 08-May-18  
Date Reported 09-May-18

### SOIL ANALYSIS REPORT

Laboratory Sample Reference	Field Details			Index			mg/l (Available)		
	No.	Name or O.S. Reference with Cropping Details	Soil pH	P	K	Mg	P	K	Mg
38915/18	1	<b>LONG FIELD</b> <i>Maincrop Turnips into Market Peas</i>	6.0	3	1	2	35.4	88	69
38916/18	2	<b>POTATOE FIELD</b> <i>Grassland into Grassland</i>	6.0	3	1	2	42.8	91	91
38917/18	3	<b>CILWYCH</b> <i>Grassland into Grassland</i>	5.7	3	1	2	33.0	91	74
38918/18	4	<b>LANE FIELD</b> <i>Grassland into Grassland</i>	5.5	4	2-	2	52.4	164	81
38919/18	5	<b>HOUSE FIELD</b> <i>Grassland into Grassland</i>	5.4	3	2-	2	41.6	170	66

If general fertiliser and lime recommendations have been requested, these are given on the following sheets.  
The analytical methods used are as described in DEFRA Reference Book 427  
The index values are determined from the DEFRA Fertiliser Recommendations RB209 9th Edition.

Released by Katie Dunn On behalf of NRM Ltd Date 09/05/18

NRM Coopers Bridge, Braziers Lane, Bracknell, Berkshire RG42 6NS  
Tel: +44 (0) 1344 886338 Fax: +44 (0) 1344 890972 Email: enquiries@nrm.uk.com www.nrm.uk.com



## Analysis Results (SOIL)

**Customer** A MATHEWS  
ABERBRAN FAWR  
ABERBRAN  
BRECON

**Distributor** WYNNSTAY - BRYN HUGHES  
PENTWYN FARM  
LITTLE MILL  
PONTYPOOL  
GWENT  
NP4 0HQ

**Sample Ref** L SHAPED FIELD

**Date Received** 01/11/2016

**Sample No** E197830/01

**Crop** OATS

Analysis	Result	Guideline	Interpretation	Comments
pH	6.0	6.0	Normal	Adequate level.
Phosphorus (ppm)	28	16	High	(Index 3) Adequate. Use soil analysis every 3-5 years to ensure level is maintained.
Potassium (ppm)	124	121	Normal	(Index 2-) 105 kg/ha K <sub>2</sub> O (84 units/acre) assuming straw removed.
<b>Magnesium (ppm)</b>	121	50	Normal	(Index 3) Adequate level.

### Additional Comments

The analyses and interpretation for P & K has been carried out using according to MAFF RB209. The fertiliser requirements are based on crop with straw removed yielding 6 t/ha. PLEASE NOTE: The recommendations can be adjusted if yields are larger or smaller, or if manure/slurry applications are used. See RB209 for more information. Check the soil is maintained at Index 2 by soil sampling every 3-5 years.

Additional technical bulletins are available at [www.lancrop.com](http://www.lancrop.com)

### Please Note

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## Analysis Results (SOIL)

<b>Customer</b>	A MATHEWS ABERBRAN FAWR ABERBRAN BRECON	<b>Distributor</b>	WYNNSTAY - BRYN HUGHES PENTWYN FARM LITTLE MILL PONTYPOOL GWENT NP4 0HQ
<b>Sample Ref</b>	TOP OF LANE ABERDEEN	<b>Date Received</b>	01/11/2016
<b>Sample No</b>	E197830/02		
<b>Crop</b>	GRAZED GRASS (CATTLE)		

Analysis	Result	Guideline	Interpretation	Comments
pH	5.4	6.0	Low	Refer to Lime Requirement.
Phosphorus (ppm)	23	16	Normal	<b>(Index 2)</b> 20 kg/ha P <sub>2</sub> O <sub>5</sub> (16 units/acre). Maintenance.
Potassium (ppm)	103	121	Low	<b>(Index 1)</b> 30 kg/ha K <sub>2</sub> O (24 units/acre). Avoid applications in Spring if there is a history of Hypomagnesaemia.
Magnesium (ppm)	109	51	High	<b>(Index 3)</b> Adequate level.
Lime Req. (t/ha)	4.0			

### Additional Comments

The recommendations should be adjusted if organic manures are used. See RB209 for more information.

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### Please Note

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## Analysis Results (SOIL)

<b>Customer</b>	A MATHEWS ABERBRAN FAWR ABERBRAN BRECON	<b>Distributor</b>	WYNNSTAY - BRYN HUGHES PENTWYN FARM LITTLE MILL PONTYPOOL GWENT NP4 0HQ
<b>Sample Ref</b>	RESERVOIR FIELD	<b>Date Received</b>	01/11/2016
<b>Sample No</b>	E197830/03		
<b>Crop</b>	GRAZED GRASS (CATTLE)		

Analysis	Result	Guideline	Interpretation	Comments
pH	6.3	6.0	Normal	Adequate level.
Phosphorus (ppm)	31	16	High	<b>(Index 3)</b> Adequate level.
Potassium (ppm)	134	121	Normal	<b>(Index 2-)</b> Adequate level for grazing system.
Magnesium (ppm)	86	51	Normal	<b>(Index 2)</b> PRIORITY FOR LIVESTOCK HEALTH. Apply 25 kg/ha MgO (20 units/acre) every three to four years. Further applications may be required if there is a history of hypomagnesaemia.

### Additional Comments

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### Please Note

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## Analysis Results (SOIL)

**Customer** A MATHEWS  
ABERBRAN FAWR  
ABERBRAN  
BRECON

**Distributor** WYNNSTAY - BRYN HUGHES  
PENTWYN FARM  
LITTLE MILL  
PONTYPOOL  
GWENT  
NP4 0HQ

**Sample Ref** BRICK FIELD

**Date Received** 01/11/2016

**Sample No** E197830/04

**Crop** WHEAT

Analysis	Result	Guideline	Interpretation	Comments
pH	6.4	6.5	Slightly Low	Refer to Lime Requirement.
Phosphorus (ppm)	39	16	High	<b>(Index 3)</b> Adequate. Use soil analysis every 3-5 years to ensure level is maintained.
Potassium (ppm)	71	121	Low	<b>(Index 1)</b> 115 kg/ha K <sub>2</sub> O (92 units/acre). Winter crop, straw removed.
<b>Magnesium (ppm)</b>	92	50	Normal	<b>(Index 2)</b> Adequate level.
Lime Req. (t/ha)	3.0			

### Additional Comments

Additional technical bulletins are available at [www.lancrop.com](http://www.lancrop.com)

### Please Note

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## Analysis Results (SOIL)

<b>Customer</b>	A MATHEWS ABERBRAN FAWR ABERBRAN BRECON	<b>Distributor</b>	WYNNSTAY - BRYN HUGHES PENTWYN FARM LITTLE MILL PONTYPOOL GWENT NP4 0HQ
<b>Sample Ref</b>	ISOLATION UNIT <del>TOP OF LANE ABERDEEN</del>	<b>Date Received</b>	01/11/2016
<b>Sample No</b>	E197830/02		
<b>Crop</b>	GRAZED GRASS (CATTLE)		

Analysis	Result	Guideline	Interpretation	Comments
pH	5.4	6.0	Low	Refer to Lime Requirement.
Phosphorus (ppm)	23	16	Normal	(Index 2) 20 kg/ha P <sub>2</sub> O <sub>5</sub> (16 units/acre). Maintenance.
Potassium (ppm)	103	121	Low	(Index 1) 30 kg/ha K <sub>2</sub> O (24 units/acre). Avoid applications in Spring if there is a history of Hypomagnesaemia.
Magnesium (ppm)	109	51	High	(Index 3) Adequate level.
Lime Req. (t/ha)	4.0			

### Additional Comments

The recommendations should be adjusted if organic manures are used. See RB209 for more information.  
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### Please Note

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## Analysis Results (SOIL)

**Customer** A MATHEWS  
ABERBRAN  
FAWR FARM  
ABERYSCIR  
BRECON

**Distributor** WYNNSTAY - BRYN HUGHES  
PENTWYN FARM  
LITTLE MILL  
PONTYPOOL  
GWENT  
NP4 0HQ

**Sample Ref** 1 1515

**Date Received** 06/08/2015

**Sample No** E161613/01

**Crop** GRAZED GRASS (CATTLE)

Analysis	Result	Guideline	Interpretation	Comments
pH	6.6	6.0	Normal	Adequate level.
Phosphorus (ppm)	33	16	High	(Index 3) Adequate level.
Potassium (ppm)	181	121	Normal	(Index 2+) Adequate level for grazing system.
Magnesium (ppm)	66	51	Normal	(Index 2) PRIORITY FOR LIVESTOCK HEALTH. Apply 25 kg/ha MgO (20 units/acre) every three to four years. Further applications may be required if there is a history of hypomagnesaemia.

### Additional Comments

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### Please Note

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## Analysis Results (SOIL)

<b>Customer</b>	A MATHEWS ABERBRAN FAWR FARM ABERYSCIR BRECON	<b>Distributor</b>	WYNNSTAY - BRYN HUGHES PENTWYN FARM LITTLE MILL PONTYPOOL GWENT NP4 0HQ
<b>Sample Ref</b>	2 9408	<b>Date Received</b>	06/08/2015
<b>Sample No</b>	E161613/02		
<b>Crop</b>	GRAZED GRASS (CATTLE)		

Analysis	Result	Guideline	Interpretation	Comments
pH	6.4	6.0	Normal	Adequate level.
Phosphorus (ppm)	17	16	Normal	(Index 2) 20 kg/ha P2O5 (16 units/acre). Maintenance.
Potassium (ppm)	146	121	Normal	(Index 2-) Adequate level for grazing system.
Magnesium (ppm)	80	51	Normal	(Index 2) PRIORITY FOR LIVESTOCK HEALTH. Apply 25 kg/ha MgO (20 units/acre) every three to four years. Further applications may be required if there is a history of hypomagnesaemia.

### Additional Comments

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### Please Note

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## Analysis Results (SOIL)

**Customer** A MATHEWS  
ABERBRAN  
FAWR FARM  
ABERYSCIR  
BRECON

**Distributor** WYNNSTAY - BRYN HUGHES  
PENTWYN FARM  
LITTLE MILL  
PONTYPOOL  
GWENT  
NP4 0HQ

**Sample Ref** 3 9995

**Date Received** 06/08/2015

**Sample No** E161613/03

**Crop** GRAZED GRASS (CATTLE)

Analysis	Result	Guideline	Interpretation	Comments
pH	6.4	6.0	Normal	Adequate level.
Phosphorus (ppm)	29	16	High	(Index 3) Adequate level.
Potassium (ppm)	216	121	Normal	(Index 2+) Adequate level for grazing system.
Magnesium (ppm)	80	51	Normal	(Index 2) PRIORITY FOR LIVESTOCK HEALTH. Apply 25 kg/ha MgO (20 units/acre) every three to four years. Further applications may be required if there is a history of hypomagnesaemia.

### Additional Comments

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### Please Note

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## Analysis Results (SOIL)

<b>Customer</b>	A MATHEWS ABERBRAN FAWR FARM ABERYSCIR BRECON	<b>Distributor</b>	WYNNSTAY - BRYN HUGHES PENTWYN FARM LITTLE MILL PONTYPOOL GWENT NP4 0HQ
<b>Sample Ref</b>	4 7785	<b>Date Received</b>	06/08/2015
<b>Sample No</b>	E161613/04		
<b>Crop</b>	GRAZED GRASS (CATTLE)		

Analysis	Result	Guideline	Interpretation	Comments
pH	6.3	6.0	Normal	Adequate level.
Phosphorus (ppm)	25	16	Normal	(Index 2) 20 kg/ha P2O5 (16 units/acre). Maintenance.
Potassium (ppm)	139	121	Normal	(Index 2-) Adequate level for grazing system.
Magnesium (ppm)	79	51	Normal	(Index 2) PRIORITY FOR LIVESTOCK HEALTH. Apply 25 kg/ha MgO (20 units/acre) every three to four years. Further applications may be required if there is a history of hypomagnesaemia.

### Additional Comments

The recommendations should be adjusted if organic manures are used. See RB209 for more information.  
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### Please Note

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## Analysis Results (SOIL)

<b>Customer</b>	A MATHEWS ABERBRAN FAWR FARM ABERYSCIR BRECON	<b>Distributor</b>	WYNNSTAY - BRYN HUGHES PENTWYN FARM LITTLE MILL PONTYPOOL GWENT NP4 0HQ
<b>Sample Ref</b>	5 <b>4984</b>	<b>Date Received</b>	06/08/2015
<b>Sample No</b>	E161613/05		
<b>Crop</b>	GRAZED GRASS (CATTLE)		

Analysis	Result	Guideline	Interpretation	Comments
pH	6.3	6.0	Normal	Adequate level.
Phosphorus (ppm)	30	16	High	<b>(Index 3)</b> Adequate level.
Potassium (ppm)	152	121	Normal	<b>(Index 2-)</b> Adequate level for grazing system.
Magnesium (ppm)	67	51	Normal	<b>(Index 2)</b> PRIORITY FOR LIVESTOCK HEALTH. Apply 25 kg/ha MgO (20 units/acre) every three to four years. Further applications may be required if there is a history of hypomagnesaemia.

### Additional Comments

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### Please Note

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## Analysis Results (SOIL)

<b>Customer</b>	A MATHEWS ABERBRAN FAWR FARM ABERYSCIR BRECON	<b>Distributor</b>	WYNNSTAY - BRYN HUGHES PENTWYN FARM LITTLE MILL PONTYPOOL GWENT NP4 0HQ
<b>Sample Ref</b>	6 3478	<b>Date Received</b>	06/08/2015
<b>Sample No</b>	E161613/06		
<b>Crop</b>	GRAZED GRASS (CATTLE)		

Analysis	Result	Guideline	Interpretation	Comments
pH	5.5	6.0	Slightly Low	Refer to Lime Requirement.
Phosphorus (ppm)	34	16	High	(Index 3) Adequate level.
Potassium (ppm)	78	121	Low	(Index 1) 30 kg/ha K <sub>2</sub> O (24 units/acre). Avoid applications in Spring if there is a history of Hypomagnesaemia.
Magnesium (ppm)	91	51	Normal	(Index 2) PRIORITY FOR LIVESTOCK HEALTH. Apply 25 kg/ha MgO (20 units/acre) every three to four years. Further applications may be required if there is a history of hypomagnesaemia.
Lime Req. (t/ha)	4.0			

### Additional Comments

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### Please Note

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## Analysis Results (SOIL)

<b>Customer</b>	A MATHEWS ABERBRAN FAWR FARM ABERYSCIR BRECON	<b>Distributor</b>	WYNNSTAY - BRYN HUGHES PENTWYN FARM LITTLE MILL PONTYPOOL GWENT NP4 0HQ
<b>Sample Ref</b>	7 4470	<b>Date Received</b>	06/08/2015
<b>Sample No</b>	E161613/07		
<b>Crop</b>	GRAZED GRASS (CATTLE)		

Analysis	Result	Guideline	Interpretation	Comments
pH	5.5	6.0	Slightly Low	Refer to Lime Requirement.
Phosphorus (ppm)	43	16	High	(Index 3) Adequate level.
Potassium (ppm)	86	121	Low	(Index 1) 30 kg/ha K <sub>2</sub> O (24 units/acre). Avoid applications in Spring if there is a history of Hypomagnesaemia.
Magnesium (ppm)	96	51	Normal	(Index 2) PRIORITY FOR LIVESTOCK HEALTH. Apply 25 kg/ha MgO (20 units/acre) every three to four years. Further applications may be required if there is a history of hypomagnesaemia.
Lime Req. (t/ha)	4.0			

### Additional Comments

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### Please Note

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## Analysis Results (SOIL)

**Customer** A MATHEWS  
ABERBRAN  
FAWR FARM  
ABERYSCIR  
BRECON

**Distributor** WYNNSTAY - BRYN HUGHES  
PENTWYN FARM  
LITTLE MILL  
PONTYPOOL  
GWENT  
NP4 0HQ

**Sample Ref** 8 2368

**Date Received** 06/08/2015

**Sample No** E161613/08

**Crop** GRAZED GRASS (CATTLE)

Analysis	Result	Guideline	Interpretation	Comments
pH	6.4	6.0	Normal	Adequate level.
Phosphorus (ppm)	49	16	Very High	(Index 4) Possible interference with availability of Cu,Zn,Fe,K.
Potassium (ppm)	90	121	Low	(Index 1) 30 kg/ha K <sub>2</sub> O (24 units/acre). Avoid applications in Spring if there is a history of Hypomagnesaemia.
Magnesium (ppm)	96	51	Normal	(Index 2) PRIORITY FOR LIVESTOCK HEALTH. Apply 25 kg/ha MgO (20 units/acre) every three to four years. Further applications may be required if there is a history of hypomagnesaemia.

### Additional Comments

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### Please Note

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## Analysis Results (SOIL)

<b>Customer</b>	A MATHEWS ABERBRAN FAWR FARM ABERYSCIR BRECON	<b>Distributor</b>	WYNNSTAY - BRYN HUGHES PENTWYN FARM LITTLE MILL PONTYPOOL GWENT NP4 0HQ
<b>Sample Ref</b>	9 0865	<b>Date Received</b>	06/08/2015
<b>Sample No</b>	E161613/09		
<b>Crop</b>	GRAZED GRASS (CATTLE)		

Analysis	Result	Guideline	Interpretation	Comments
pH	5.9	6.0	Slightly Low	Refer to Lime Requirement.
Phosphorus (ppm)	42	16	High	(Index 3) Adequate level.
Potassium (ppm)	57	121	Very Low	(Index 0) 60 kg/ha K <sub>2</sub> O (48 units/acre). Avoid applications in Spring if there is a history of Hypomagnesaemia.
Magnesium (ppm)	65	51	Normal	(Index 2) PRIORITY FOR LIVESTOCK HEALTH. Apply 25 kg/ha MgO (20 units/acre) every three to four years. Further applications may be required if there is a history of hypomagnesaemia.
Lime Req. (t/ha)	2.0			

### Additional Comments

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### Please Note

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